

**CLAIM LISTING**

1. (Original) A building automation system comprising:  
a plurality of programmable user interface units, each of said user interface units located in a room or associated area of a building;  
a plurality of power drivers, each of said power drivers located in a room or associated area of said building;  
a controller comprising a processor and a memory; and  
an electrical signal trunk connected to said controller;  
wherein each of said user interface units and each of said power drivers are connected to said electrical signal trunk.
2. (Original) A building automation system as in claim 1 wherein said user interface units include a touchscreen.
3. (Original) A building automation system as in claim 1 wherein each of said user interface units is capable of controlling each of said power drivers.
4. (Original) A building automation system as in claim 1 and further including an electrical circuit panel and an electrical power conductor connected between said electrical circuit panel and each of said power drivers.
5. (Original) A building automation system as in claim 1 wherein said electrical signal trunk is a low voltage control wiring.
6. (Original) A building automation system as in claim 5 wherein said low voltage control wiring is CAT5 cable.
7. (Original) A building automation system as in claim 1 and further including a plurality of electrical devices, each of said electrical devices electrically connected to one of said power drivers, said electrical devices comprising a plurality of different types of devices selected from the group consisting of lighting fixtures, fans, security systems, audio/video systems, heating systems, air conditioning systems, garage doors, garage door sensors, doorbells, window controls, sprinkler controls, garage door openers, electronic gate openers, driveway heaters, sidewalk heaters, fireplace controls, intercoms, speakers, microphones, dampers, digital cameras, hot water heaters, telephones, aquarium controls, water feature controls, pool/spa controls, fire protection systems, thermostats, and switched outlets.
8. (Original) A building automation system as in claim 2 wherein said user interface units include a button separate from said touchscreen, said button adapted to control an electrical

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device in the room or associated area in which said user interface unit is located.

9. (Original) A building automation system as in claim 8 wherein said electrical device is a lighting fixture.

10. (Original) A building automation system as in claim 8 and further including a light for illuminating said button.

11. (Original) A building automation system as in claim 1 and further including a wireless remote control, wherein said wireless remote control controls only the electrical devices in the room in which it is located.

12. (Original) A building automation system as in claim 11 wherein said wireless remote control further includes a selector button, wherein operating said selector button changes the electrical device controlled by said wireless remote control.

13. (Original) A building automation system as in claim 12 wherein said wireless remote control further includes up/down buttons, wherein selecting the up/down buttons adjusts the electrical output to said selected electrical device.

14. (Original) A building automation system as in claim 11 wherein said wireless remote control further includes a flashlight and a flashlight activation button.

15. (Original) A building automation system as in claim 11 wherein said wireless remote control controls electrical devices throughout said building.

16. (Original) A building automation system as in claim 11 wherein said wireless remote control transmits radio frequency (RF) signals.

17. (Original) A building automation system as in claim 11 wherein said wireless remote control transmits infrared (IR) signals.

18. (Original) A building automation system as in claim 1 wherein each of said power drivers control AC power to a plurality of electrical devices.

19. (Original) A building automation system as in claim 2 wherein said touchscreen displays a scene screen object for controlling a plurality of said electrical devices with a single touch.

20. (Original) A building automation system as in claim 2 wherein said touchscreen displays a program screen object enabling the user to program any controllable electrical device in said building or associated areas.

21. (Original) A building automation system as in claim 2 wherein said touchscreen displays screen objects for accessing three or more functions selected from the group consisting of: time, date, temperature, weather, security, intercom, audio, and sprinklers.

22. (Original) A building automation system as in claim 1 wherein said user

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interfaces include a level control for controlling the level of power applied to an electrical device.

23. (Original) A building automation system as in claim 22 wherein said level control includes a bar graph device for indicating the power level at which said level control is set.

24. (Original) A building automation system as in claim 22 wherein said electrical device is selected from the group consisting of a lighting fixture and a motor.

25. (Original) A building automation system as in claim 2 wherein said touchscreen displays a rooms screen object for displaying a listing of said rooms and associated areas of said building.

26. (Original) A building automation system as in claim 2 wherein said touchscreen displays a screen object for displaying a list of all controllable electrical devices in said rooms and associated areas of said building.

27. (Previously presented) A building automation system comprising:  
a controller comprising a microprocessor and a memory;  
a plurality of programmable user interface units, each of said user interface units located in a room in a building;

a single electrical signal trunk connected between said controller and said interface units, each of said interface units connected to said single electrical trunk;

each user interface unit comprising: a touchscreen, a speaker, and a microphone;

each user interface unit is capable of controlling an electrical device in a room in which said controller is located; and

each user interface unit is capable of controlling an electrical device in a room different than the room in which said controller is located.

28. (Original) A building automation system as in claim 27 wherein each user interface unit further includes a camera.

29. (Original) A building automation system as in claim 27 wherein each user interface unit further includes a motion detector.

30. (Original) A building automation system as in claim 27 wherein at least one user interface unit receives radio frequency (RF) signals.

31. (Original) A building automation system as in claim 27 wherein at least one user interface unit receives infrared (IR) signals.

Claims 32 – 72 (Canceled)

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